ANDREA GRIESER

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SUMMARY OF QUALIFICATIONS

A variety of experience highlights the following strengths: secure in software engineering and technical environments; strong teacher, writer, and communicator; self-motivator who takes initiative and enjoys learning new skills

WORK HISTORY

Antithesis Operations LLC, McLean, VA - July 2020 - Summer 2022

- Autonomous Software Testing company
- Senior Software Engineer
- Languages: C, C++, Python, Typescript, Nix Expression Language
- Wrote product software as well as performing infrastructure role
- Documentation team lead
- Mentored new employees
- Other technical skills: Linux, Bash, Nix, Sphinx, Terraform, Google Cloud Platform, AWS services (such as BigQuery, CloudFront, Route53, Lambda, EC2, S3, DynamoDB), FreeBSD (bhyve), mercurial

Math / Coding Teacher, Loudoun County Public Schools; Ashburn, VA   2009-2020

- Taught Pre-Algebra, Algebra 1, Algebra 2/Trigonometry, Geometry, and Coding at Middle School (teaching Scratch and Python)
- Created complete curricula for all of the courses that I have taught. Other teachers use these curricula and the principal has lauded them as a prime reason for our school's strong test results
- Responsibilities include lesson planning with technology integration, differentiation (personalized learning), real world learning, teaching, testing, remediation, data tracking, new teacher mentoring, and faculty support
- Led cooperative teacher teams introducing Trello to track schedule and lesson plans
- Created many instructional videos using Keynote and iMovie for the YouTube platform that have reach outside of immediate school environment
- Created online classrooms for all courses taught, including self-grading assignments and assessments; especially necessary during closing of schools during COVID pandemic
- Consistently received highest ratings on evaluations

Grieser Software LLC; Ashburn, VA   2001-2009

- Co-founded consulting company that provided original software to Sirius Satellite Radio, Inc.
- Wrote software using distributed .NET architecture using SQL database and web services

- Prime responsibility was user interface

- Provided all technical writing support in the form of manuals, training, and other material

- Provided on-site training and support

Weight Watchers International; Ashburn, VA 2003-2009

* Meeting Receptionist

* Greet members, collect payment, weigh members, answer program questions

* Sell associated products, closely tailoring to member needs

* Provide encouragement, support, and a positive environment

Storm Control Systems (L-3 Communications)   1991-1998

- Worked in Herndon, VA and Cambridgeshire, UK offices

- Developed software to support Inmarsat satellite controllers on Unix based operating systems using Gensym's G2 Real-Time Expert System Application, the C programming language, and an SQL database

- Wrote all technical documentation for Storm flagship satellite control product, including user and developer guides as well as training materials for satellite control automation product

International Business Machines; Gaithersburg, MD   1985-1991

- Created software (design, code, and test) in the JOVIAL and Ada programming languages in support of a government satellite control system

- Supported the creation of specification documents and training materials, as well as provided training to operators

- Technical lead of software test (quality assurance) for software configuration management development project

- Project manager for on-site customer in Sunnyvale CA

Fairchild Republic Company; Farmingdale, NY - 1981-1984

- Internship during summers

- Created FORTRAN programs in support of aerospace engineers

TECHNICAL SKILLS

- Programming language experience: Python, C, C++, JavaScript, TypeScript, Visual Basic, Swift, FORTRAN, JOVIAL

- OS Experience: Windows, macOS, Unix/Linux, NixOS, iOS, iPadOS, IBM 360/370 architecture

- Other technical experience: Terraform, AWS services (such as CloudFront, E2, S3, Lambda), mercurial, HTML, CSS, Jquery, Bootstrap, Express, Node.js, VSCode, Atom, Trello, git, SQL relational databases, G2 knowledge base (rule based architecture), Xcode (iOS app development in Swift), git, Google G-Suite products, Apple Teacher, Google Certified Educator Level 1

CODE SAMPLE

- Play the Royal Game of Ur

- Web app using JavaScript, HTML, CSS, JQuery, Bootstrap, Node.js (computer moves handled on server); computer play algorithms have varying levels of complexity

- Code repository

EDUCATION

- Marymount University — Master of Education, 2009

- State University of New York at Binghamton - BS in Mathematics and Computer Science, 1984

My Website